

**REMARKS/ARGUMENTS**

In the office action, the drawings were objected to because the sectional views were not properly cross-hatched. In accordance with MPEP 608.02, Figures 2, 3, and 4 of the drawings are being amended to include the proper cross-hatches. The changes to the drawings are shown in red ink. For the above reasons, Applicants request reconsideration and withdrawal of the objection to the drawings.

Various claims are being amended as shown above. The claim amendments clarify the claim language and are not intended to limit the scope of the claims, unless the claim language is expressly quoted in the following remarks to distinguish over the cited art. No new matter is being added by the amendment to the claims.

In the office action, claims 14, 15, 17-19 and 21 were rejected under 35 U.S.C. 102(b) as allegedly being anticipated by Fox, Jr., et al. (US Pat. No. 5,160,269). Applicants respectfully traverse the rejection.

Fox discloses a flex circuit connector assembly 10, including flex circuits 12 and 14, 16 and 18, 20 and 22, and 24 and 26, between the clamping bodies 28 and 30. A bladder 58 is disposed on a clamping body 30 (and on clamping body 28). The substrate 14 (flex circuit) is disposed on the bladder 58 (Figure 2). Another substrate 12 is disposed on the substrate 14. Therefore, Fox does not disclose an electrical component having component pins that are attached to the substrate 14 that is disposed on the bladder 58. Instead, Fox discloses the substrate 12 as disposed on the substrate 14. Fox does not disclose a flex circuit that supports a component.

Independent claim 14 distinguishes from Fox, at least by reciting an assembled substrate including "*an electrical component having a plurality of leads comprising component pins attached to said conductive pads of said substrate*", and such recited features are not disclosed and are not suggested by Fox. Accordingly, claim 14 is patentable over Fox.

Claims 15 and 17-19 depend from claim 14 and are each patentable over Fox for at least the same reasons that claim 14 is patentable over Fox. Furthermore, each of the claims 15 and 17-19 distinguishes over Fox by reciting additional features in combination with the features recited in their base claim. Accordingly, claims 15 and 17-19 are each patentable over Fox.

Claim 21 is also being withdrawn above because its base claim, claim 8, was previously withdrawn.

For the above reasons, Applicants request reconsideration and withdrawal of the rejection under 35 U.S.C. §102.

In the office action, claim 14 was rejected under 35 U.S.C. 103(a) as allegedly being unpatentable over Patel, et al. (US Pat. No. 5,460,611) in view of Fox. Applicants respectfully traverse the rejection.

Patel discloses a base plate 27 with springs 21 for supporting a substrate 11.

The Examiner correctly admits in the office action that Patel does not specifically disclose the biasing means is a bladder with inside material. In an attempt to overcome the deficiencies of Patel, the Examiner relies on Fox in an attempt to show various features.

Applicant respectfully asserts that a prior art reference must be considered in its entirety, i.e., as a whole, including portions that would lead away from the claimed invention. See MPEP 2141.02 (VI), and *W.L. Gore & Associates, Inc. v. Garlock*,

*Inc.*, 721 F.2d 1540, 220 USPQ 303 (Fed. Cir. 1983), *cert. denied*, 469 U.S. 851 (1984). A prior art teaches away from the solution claimed if the prior art's disclosure discourages the solution claimed. See MPEP 2141.02 and *In re Fulton*, 391 F.3d 1195, 1201, 73 USPQ2d 1141, 1146 (Fed. Cir. 2004).

Patel teaches in using a mechanical bias means of springs 21 or other kinds of springs or other means for exerting an expansive force between the substrate 11 and the base plate 27 to push apart the substrate 11 and base plate 27 (Patel, column 4, lines 56-60). Since Patel teaches a mechanical bias means that provides an expansive force that pushes away the substrate 11, Patel discourages from using a bias means that conforms to the surface of the substrate. Therefore, Patel discourages from using a bladder that conforms to a surface of a substrate, as recited in claim 14, because Patel requires the use of a mechanical bias that exerts an expansive force to push apart the substrate 11 and the base plate 27. In contrast, claim 14 recites a bladder that conforms to the surface of the substrate and does not exert an expansive force to push apart a substrate and a hollow plate. Therefore, since Patel discourages the use of a bladder, Patel teaches away from the Patel-Fox combination and also teaches away from the features recited in claim 14. Accordingly, in accordance with MPEP 2145 and cited case law therein, claim 14 is patentable over the Patel-Fox combination because the Patel-Fox combination is improper.

For the above reasons, Applicants request reconsideration and withdrawal of the rejection under 35 U.S.C. §103.

In the office action, claim 16 was rejected under 35 U.S.C. 103(a) as allegedly being unpatentable over Patel in view of Fox as applied to claim 14 above, and further in view of Smith, et

al. (US Pat. No. 6,791,846 B2). Applicants respectfully traverse the rejection.

The Examiner correctly admits in the office action that the Patel-Fox combination does not specifically teach that the component is a land grid array component. In an attempt to overcome the deficiencies of the Patel-Fox combination, the Examiner relies on Smith in an attempt to show various features.

Based upon the reasons discussed above, it is respectfully asserted that the Patel-Fox combination is improper.

Additionally, claim 16 depends from claim 14 and is patentable over the Patel-Fox-Smith combination for at least the same reasons that claim 14 is patentable over the Patel-Fox combination. Furthermore, claim 16 distinguishes over the Patel-Fox-Smith combination by reciting additional features in combination with the features recited in their base claim. Accordingly, claim 16 is patentable over the Patel-Fox-Smith combination.

For the above reasons, Applicants request reconsideration and withdrawal of the rejection under 35 U.S.C. §103.

In the office action, claim 20 was rejected under 35 U.S.C. 103(a) as allegedly being unpatentable over Fox in view of an Official Notice. Applicants respectfully traverse the rejection.

The Examiner correctly admits in the office action that Fox does not specifically disclose the material inside the bladder as selected from a group of materials consisting of: water, glycol solution, an oil mixture, a water-based gel, or an oil based gel. In an attempt to overcome the deficiencies of Fox, the Examiner takes official notice on various features.

Claim 20 depends from claim 14 and is patentable over the Fox-official notice combination for at least the same reasons

that claim 14 is patentable over the same combination. Furthermore, claim 20 distinguishes over this combination by reciting additional features in combination with the features recited in their base claim. Accordingly, claim 20 is patentable over the Fox-official notice combination.

For the above reasons, Applicants request reconsideration and withdrawal of the rejection under 35 U.S.C. §103.

Applicant respectfully requests allowance of all pending claims.


If the undersigned attorney has overlooked a teaching in the cited reference that is relevant to the allowability of the claims, the Examiner is respectfully requested to specifically point out where such teachings may be found.

**CONTACT INFORMATION**


If the Examiner has any questions or needs any additional information, the Examiner is invited to telephone the undersigned attorney at (805)681-5078.

Date: May 23, 2007

Respectfully submitted,  
James D. Hensley, et al.

  
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Typed or Printed Name:	Arnold M. de Guzman, Reg. No. 39,955	Dated:	May 23, 2007
Express Mail Mailing Number (optional):			



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In Re Application of:	) Confirmation No.: 8315
James D. Hensley, et al.	)
	) Examiner: Jeremy C. Norris
Serial No.: 10/773,723	)
	) Art Unit: 2841
Filed: February 5, 2004	)
	) Atty. Docket No.: 10011536-2
Title: UNIFORM FORCE	)
HYDROSTATIC BOLSTER PLACE	)
	)
	)

Mail Stop Amendment  
 Commissioner for Patents  
 P.O. Box 1450  
 Alexandria, VA 22313-1450

**LETTER TO THE OFFICIAL DRAFTSPERSON  
 (Request To Make Proposed Drawing Changes)**

Sir:

Subject to the approval of the Primary Examiner in the above-entitled patent application, please substitute the enclosed three (3) sheets of drawings, containing amended Figures 2, 3 and 4, for the three (3) sheets of formal drawings containing Figures 2, 3 and 4 as originally filed or as amended.

Approval is requested to amend Figures 2, 3 and 4 as shown in RED ink on the attached drawing copies.

REMARKS


Applicant respectfully submits that the requested drawing amendment is consistent with the corresponding material in the specification and does not add any new matter to the application.

Should the Examiner have any questions concerning this request, the Examiner is invited to call the undersigned attorney at the number shown below.

Favorable action is respectfully solicited.

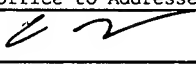
Dated: May 23, 2007

Respectfully submitted,  
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Enclosure(s)

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Signature:			
Typed or Printed Name:	Arnold M. de Guzman	Dated:	05/23/2007
Express Mail Mailing Number (optional):			